Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	0.00	Rating **	М	Issue No.		66		
LM End	0.00	Issue Type +	Ма	Location *		N/A		
Category	Earthen Levee			GPS La	atituc	le/Longitude		
Category				Start	End			
Item	Flood Pre	paredness &	Training		0		0	
пеш					0		0	
DWR ID	DWR ID DWR_RD0544_01_s _ 2012_66							
		Comn	nent Cod	le				
	Inspector Comment							
	The LMA has a good working knowledge of flood response. LMA has not been involved in flood training for several years.							

No Photos

Issue No. LM Start 0.00 Rating ** Α 71 Location * Issue Type + N/A 0.00 Ma LM End Earthen Levee GPS Latitude/Longitude Category End Operations & Maintenance Item Manuals DWR RD0544 01 s 2013 71 DWR ID Comment Code

Inspector Comment

No Photos

The LMA has a copy of O&M manual on file in the office.

+ Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	0.00	Rating **	Α	Issue No.		72			
LM End	0.00	Issue Type +	Ma	Location *		N/A			
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Calegory				Start		End			
Item		y Supplies &			0		0		
пеш	Equipment				٥		0		
DWR ID DWR_RD0544_01_s _ 2013_72									
		Comn	nent Cod	de					
	Inspector Comment								
The LMA r	The LMA maintains an adequate supply of floodfight material.								

No Photos

LM Start	0.01	Rating **	U	Issue No.		92			
LM End	0.01	Issue Type +	Ма	Location *	LS				
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Trim / Thi	n Trees		37.8702	85°	37.870285°			
пеш				-121.3298	22°	-121.329822°			
DWR ID DWR_RD0544_01_f _ 2014_92									
		Comn	nent Cod	de					
T1: Trim t	rees to at	east five feet	above g	round level					
Inspector Comment									
Untrimmed tree on landward slope.									



Looking southwest at untrimmed tree on landward slope.

LM Start	0.06	Rating **	М	Issue No.		4				
LM End	0.19	Issue Type +	Location *		LS					
Category	Catagoni Earthen Levee				GPS Latitude/Longitude					
Category				Start		End				
Item	Encroach	ments		37.8696	606°	37.868163°				
itom				-121.3295	71°	-121.328132 °				
DWR ID	DWR ID DWR_RD0544_01_s _ 2012_4									
		Comn	nent Cod	de						
EQ : Equip	oment									
	Inspector Comment									
Farm equi	Farm equipment and supplies stored at landward toe.									



Looking west at equipment stored at landward toe fall 2015

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	0.06	Rating **	М	Issue No.		4 (cont)		
LM End	0.19	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Encroachi	ments		37.8696	606°	37.868163°		
пеш				-121.3295	71°	-121.328132 °		
DWR ID DWR_RD0544_01_s _ 2012_4								
	Comment Code							
EQ : Equip	ment							
		Inspecto	or Comm	nent				
Farm equipment and supplies stored at landward toe.								

LM Start	0.06	Rating **	М	Issue No.	4 (cont)
LM End	0.10	Issue Type +	Ma	Location *	1.9

Photo 2 of 5 : FA_2016_RD0544_108_4_20160929_00005.jpg

Looking southwest at equipment stored at landward toe fall 2015.

Photo 3 of 5: FA_2016_RD0544_108_4_20160929_00006.jpg



Looking south at farm equipment at landward toe. (Spring 2015)

Photo 4 of 5: FA_2016_RD0544_108_4_20160929_00007.jpg

LM Start	0.06	Rating **	М	Issue No.	4 (cont)
LM End	0.19	Issue Type +	Ma	Location *	LS



Looking north at equipment along landside toe.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	0.06	Rating **	М	Issue No.		4 (cont)	
LM End	0.19	Issue Type +	Ма	Location *		LS	
Category	Earthen Levee GPS Latitude/Longit				le/Longitude		
Calegory				Start		End	
Item	Encroachi	ments		37.8696	06°	37.868163°	
item				-121.329571 °		′1 ° -121.328132 °	
DWR ID	DWR_RD0	544_01_s _ 201	2_4				
		Comn	nent Cod	de			
EQ : Equip	ment						
		Inspecto	or Comm	nent			
		•					
rann equi	pment and	supplies stor	ed at lan	idward toe.			



Looking south at equipment along landside toe.

LM Start	0.06	Rating **	U	Issue No.		118
LM End	0.06 Issue Type + Ma Location					LS
Category Earthen Levee				GPS Latitude/Longitude		
Calegory				Start		End
Item	Erosion /	Bank Caving		37.8695	70°	37.869570°
пеш				-121.329556°		-121.329556°
DWR ID	DWR_RD0	544_01_f _ 201	5_118			
		Comn	nent Cod	de		
E1: Note a	and monito	or erosion site				
			_			
		Inspecto	or Comm	nent		
Finger eros	sion noted	on landward	slope.			



Looking west at landside erosion for shoulder to middle of levee slope.

LM Start	0.26	Rating **	М	Issue No.	101		
LM End	0.34	Issue Type +	Ma	Location *	LS		
Category	evee	GPS Latitude/Longitu					
Calegory				Start		End	
Item		rface / Depres	ssions /	37.8671	48°	37.866036	0
item	Rutting			-121.3277	97°	-121.327862	0
DWR ID	DWR_RD0	544_01_s _ 201	6_101				
		Comn	nent Cod	le			

C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	0.42	Rating **	U	Issue No.		2
LM End	0.42	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee	GPS Latitude/Longitude			
Calegory				Start		End
Item	Trim / Thi	n Trees		37.8649	58°	37.864958°
пеш				-121.327142°		-121.327142°
DWR ID	DWR_RD0	544_01_s _ 201	2_2			
		Comn	nent Cod	de		
T2 : Thin t	rees to allo	w visibility of	the grou	nd and roo	m to	flood fight.
		Inspecto	or Comm	nent		
Large untr	immed tree	e on landward	slope.			



Looking southwest at untrimmed tree on landward slope.

LM Start	0.45	Rating **	М	Issue No.		6		
LM End	0.45	Issue Type +	Ма	Location *		WS		
Category Earthen Levee				GPS Latitude/Long				
Calegory				Start		End		
Item	Encroachi	ments		37.8647	'13 °	37.864713°		
пеш				-121.3267	° 80'	-121.326708°		
DWR ID	DWR_RD0	544_01_f _ 201	3_6			·		
		Comn	nent Cod	de				
PR : Prunii	ngs							
			_					
		Inspecto	or Comm	nent				
Broken tre	e limbs on	waterward slo	ope and	berm.				



Looking southeast at tree branch on waterward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

	_						
LM Start	0.48	Rating **	U	Issue No.		3	
LM End	0.67	Issue Type +	Ma	Location *		WS	
Category	Catagory Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetation			37.8645	78°	37.863753°	
пеш				-121.3262	210°	-121.322835°	
DWR ID	DWR_RD0	544_01_s _ 201	2_3				
		Comn	nent Cod	de			
V2 : Remo	ve the wild	d growth other	than na	tive grasse	s fro	m the levee	
		Inspecto	or Comm	nent			
Dense veg	etation on	waterward ar	nd landw	ard slopes.			



Looking south at dense veg on waterward slope.

LM Start	0.55	Rating **	М	Issue No.	61		
LM End	0.63	Issue Type +	Ma	Location *	CR		
Category	evee	GPS Latitude/Longitude					
Category				Start		End	
Item		rface / Depres	ssions /	37.8643	59°	37.864011	0
пеш	Rutting			-121.3249	39°	-121.323562	0
DWR ID	DWR_RD0	RD0544_01_f _ 2013_61					
		Comn	nent Coc	le			

C1: Add appropriate material and re-grade the levee to bring the crown above the design elevation.

Inspector Comment

No Photos

LM Start	0.73	Rating **	A/W	Issue No.		12	
LM End	0.73	Issue Type +	Ma	Location *		WS	
Category	Earthen L	.evee		GPS La	atituc	le/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		37.8633	80°	37.863380	0
пеш				-121.3218	97°	-121.321897	0
DWR ID	DWR_RD0	544_01_s _ 201	2_12				
		Comn	nent Cod	de			

T4: Trim trees over roadway to at least 12 feet above ground level.

Inspector Comment

No Photos

* Location

N/A: Not Applicable

LS : Land Side WS: Water Side

A : Acceptable M : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

	I						
LM Start	0.78	Rating **	М	Issue No.		73	
LM End	0.78	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		37.8630	16°	37.863016 °	
пеш				-121.3211	37°	-121.321137°	
DWR ID	DWR_RD0	544_01_f _ 201	3_73				
		Comn	nent Cod	de			
T1 : Trim t	rees to at I	east five feet	above g	round level.			
		Inspecto	or Comm	nent			

No Photos

	0.04	D-4: **		Innun Nin			
LM Start	0.81	Rating **	U	Issue No.		93	
LM End	0.81	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	titud	le/Longitude	
Category				Start		End	
Item	Trim / Thin Trees			37.8626	94°	37.862694°	
пеш				-121.3208	87°	-121.320887°	
DWR ID	DWR_RD0	544_01_f _ 201	4_93				
		Comn	nent Cod	le			
T1 : Trim trees to at least five feet above ground level.							
	Inspector Comment						

Inspector Comment



Looking west at untrimmed trees on landward slope and toe fall 2015.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

	1.12	Rating **	U	Issue No.	39		
LM End	1.12	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		37.8594	23°	37.859423 °	
пеш	-121.318328 °					-121.318328°	
DWR ID	DWR_RD0	544_01_s _ 201	2_39				
		Comn	nent Cod	de			
T1 : Trim t	rees to at I	east five feet	above g	round level.	•		
		Inspecto	or Comm	nent			
Untrimmed trees on landward slope.							



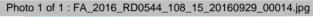
Looking southwest at untrimmed tree on landward slope.

LM Start	1.13	Rating **	М	Issue No.		15	
LM End	1.30	Issue Type +	Ма	Location *		LS	
Earthen Levee				GPS Latitude/Longitude			
Category	ory			Start		End	
Item	Vegetatio	n		37.8592	87°	37.857322°	
item					33 °	-121.319985 °	
DWR ID DWR_RD0544_01_s _ 2012_15							
	0						

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment





Looking southeast at dense vegetation on landward toe.

Photo 1 of 1: FA_2016_RD0544_108_89_20161107_00134.jpg

LM Start	1.29	Rating **	U	Issue No.		89
LM End	1.29	Issue Type +	Ма	Location *		LS
Earthen Levee			GPS La	atitud	le/Longitude	
Calegory	Category			Start		End
Item	Trim / Thi	m / Thin Trees			21 °	37.857321 °
item				-121.3199	43°	-121.319943 °
DWR ID	DWR_RD0	544_01_s _ 201	4_89			
Comment Code						
T1 : Trim trees to at least five feet above ground level.						

Inspector Comment

Dense vegetation on landward slope.



Looking southwest at dense veg on landward slope and toe.

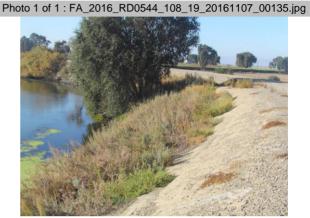
* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	1.33	Rating **	U	Issue No.		19
LM End	1.43	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		37.8570)42°	37.855792°
пеш				-121.3204	° 084	-121.321212°
DWR ID	DWR_RD0	544_01_s _ 201	2_19			
		Comn	nent Cod	de		
V2 : Remo slopes.	ove the wild	d growth other	than na	tive grasse	s fro	m the levee
		Inspecto	or Comm	nent		
Dense veg	getation on	waterward slo	ope.			



Looking south at typical of dense veg on waterward slope.

LM Start	1.42	Rating **	U	Issue No.		87	
LM End	1.48	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Trim / Thi		37.855948°		37.855043°		
item			-121.321250 °		-121.321122°		
DWR ID	DWR_RD0	544_01_s _ 201	5_87				
		Comn	nent Cod	de			
T1 : Trim t	rees to at l	east five feet	above g	round level			
		Inspecto	or Comm	nent			



Looking west at untrimmed tree at landward toe fall 2015.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	1.43	Rating **	N	Issue No.		13
LM End	1.43	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thi	n Trees		37.8557	78°	37.855778 °
пеш				-121.3212	06°	-121.321206°
DWR ID	DWR_RD0	544_01_s _ 201	2_13			
		Comn	nent Cod	de		
T5 : Tree s	stumps.					
		Inspecto	or Comm	nent		

No Photos

LM Start	1.44	Rating **	Ν	Issue No.		14	
LM End	1.44	Issue Type +	Ma	Location *		WS	
Earthen Levee				GPS La	atitud	e/Longitude	
Calegory	Category				Start		
Item	Trim / Thi	n Trees		37.8555	83°	37.855583	0
пеш				-121.3211	77°	-121.321177	0
DWR ID	DWR_RD0						
Comment Code							

T5: Tree stumps.

Inspector Comment

No Photos

LM Start	1.48	Rating **	М	Issue No.	94			
LM End	1.50	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Category	<i>Jacegory</i>			Start		End		
Item	Vegetatio	n		37.85509	97°	37.854722°		
пеш				-121.32113	36°	-121.321072°		
DWR ID	DWR ID DWR_RD0544_01_f _ 2014_94							
	Comment Code							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Issue has been corrected, but should be monitored.



Looking north at vegetation on waterward shoulder and slope.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating

A : Acceptable N : Not Inspected/Rated Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

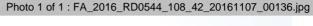
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

	4.40	D-4: **		Innua Na		40	
LM Start	1.48	Rating **	U	Issue No.		42	
LM End	1.54	Issue Type +	Ma	Location *		LS	
Earthen Levee				GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		37.8550	87°	37.854187°	
пеш				-121.3211	27°	-121.321055°	
DWR ID DWR_RD0544_01_s _ 2012_42						·	
	Comment Code						

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Dense vegetation on landward slope.





Looking at dense veg. on landward slope and toe.

LM Start	1.50	Rating **	U	Issue No.		119	
LM End	1.51	Issue Type +	Ma	Location *		WS	
Earthen Levee				GPS La	atitud	e/Longitude	
Category	egory					End	
Item	Slope Sta	bility		37.8548	44 °	37.854564°	
пеш				-121.3210	90°	-121.321031°	
DWR ID	DWR ID DWR_RD0544_01_f _ 2015_119						
	Comment Code						

S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.

Inspector Comment

Damaged levee slope due to fishermen using slope as a ramp.

LM Start	1.50	Rating **	U	Issue No.	119 (cont)
LM End	1.51	Issue Type +	Ma	Location *	WS

Photo 1 of 3: FA_2016_RD0544_108_119_20160929_00073.jpg



Looking southeast at damaged waterward slope fall 2015.

Photo 2 of 3: FA_2016_RD0544_108_119_20160929_00074.jpg



Looking east at damaged waterward slope fall 2015.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	1.50	Rating **	U	Issue No.		119 (cont)	
LM End	1.51	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Slope Sta	Slope Stability			44°	37.854564°	
пеш				-121.3210	90°	-121.321031 °	
DWR ID	DWR_RD0	544_01_f _ 201	5_119				
		Comn	nent Cod	de			
	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						

Inspector Comment

Damaged levee slope due to fishermen using slope as a ramp.



Looking southeast at damaged waterward slope fall 2015

LM Start	1.57	Rating **	U	Issue No.		43	
LM End	1.76	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Vegetatio	n		37.8541	08°	37.853980°	
пеш				-121.3215	82°	-121.324213 °	
DWR ID	DWR_RD0	544_01_s _ 201	2_43				

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Dense vegetation waterward slope.





Looking east at dense veg on waterward slope.

LM Start	1.59	Rating **	U	Issue No.	95	
LM End	1.59	Issue Type +	Ма	Location *	LS	
Category Earthen Levee			GPS La	titud	e/Longitude	
Calegory				Start		End
Item	Trim / Thi	n Trees		37.85429	99°	37.854299°
пеш			-121.32186	65 °	-121.321865°	
DWR ID DWR_RD0544_01_f _ 2014_95						:
		Comp	nont Coo	10		

Comment Code

T1 : Trim trees to at least five feet above ground level.

Inspector Comment

Untrimmed tree on landward slope.



Looking southwest at untrimmed tree on landward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	1.64	Rating **	U	Issue No.		96			
LM End	1.64	Issue Type +	Ма	Location *	LS				
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	Trim / Thi	n Trees		37.8546	81 °	37.854681°			
item				-121.3224	-121.322493°				
DWR ID DWR_RD0544_01_f _ 2014_96									
		Comn	nent Cod	de					
T2 : Thin t	rees to allo	w visibility of	the grou	nd and roo	m to	flood fight.			
		Inspecto	or Comm	nent					



Looking at untrimmed tree on landward slope and toe.

LM Start	1.72	Rating **	М	Issue No.		55					
LM End	1.84	Issue Type +	Ma	Location *		LS					
Category	Earthen Levee			GPS La	atitud	e/Longitude					
Calegory			Start			End					
Item	Vegetatio	n		37.8545	30°	37.852850°					
item				-121.3238	70°	-121.324058°					
DWR ID	DWR_RD0	544_01_s _ 201	2_55			·					
Comment Code											
V2 : Remo	ve the wild	d growth other	than na	tive grasses	V2 : Remove the wild growth other than native grasses from the levee						

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	1.78	Rating **	M	Issue No.		88				
LM End	1.78	Issue Type +	Ma	Location *		LS				
Category	Earthen L	evee		GPS La	atitud	le/Longitude				
Calegory				Start		End				
Item	Trim / Thi	n Trees		37.8537	70°	37.853770°				
пеш				-121.3242	-121.324293 °					
DWR ID	DWR_RD0	544_01_s _ 201	5_88							
		Comn	nent Coo	le						
T1: Trim t	rees to at I	east five feet	above g	round level						
		Inspecto	or Comm	ent						

No Photos

LM Start	1.80	Rating **	С	Issue No.		20		
LM End	1.80	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Encroachments Item			37.853445°		37.853445°			
пеш			-121.324227 °		-121.324227°			
DWR ID	DWR_RD0	544_01_s _ 201	2_20					
		Comn	nent Cod	de				
PR : Pruni	ngs							
		Inspecto	or Comm	nent				

No Photos

LM Start	1.82	Rating **	С	Issue No.		5	
LM End	1.82	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Slope Stability				37.8531	88°	37.853188	0
item				-121.324145°		-121.324145	0
DWR ID	DWR_RD0	544_01_s _ 201	3_5				
		Comn	nent Coc	de			
S3 : Repai access wh		slope damag le.	ed by ve	ehicle traffic	anc	prevent	
		Inspecto	or Comm	nent			
Slope dam	aged by v	ehicle traffic.					

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	1.85	Rating **	С	Issue No.		21
LM End	1.85	Issue Type +	Ма	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Encroach	ments		37.8527	71°	37.852771 °
пеш				-121.3240	-121.324014°	
DWR ID	DWR_RD0	544_01_s _ 201	2_21			
		Comn	nent Cod	de		
PR : Pruni	ngs					
		Inspecto	or Comm	nent		

No Photos

LM Start	1.94	Rating **	М	Issue No.		44
LM End	2.26	Issue Type +	Ma	Location *		LS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Vegetation			37.8516	15°	37.848105°
itom				-121.3232	10°	-121.324857°
DWR ID	DWR_RD0	544_01_s _ 201	2_44			
Comment Code						
1/2 · Domo	vo the wile	d arouth other	than no	tivo arocco	o fro	m the levee

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Issue has been corrected, but should be monitored.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	2.01	Rating **	С	Issue No.		90	
LM End	2.01	Issue Type +	Ма	Location *	CR		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Animal Co	ontrol		37.8508	25°	37.850825 °	
пеш	item				75 °	-121.322475°	
DWR ID DWR_RD0544_01_s _ 2014_90							
		Comn	nent Cod	de			
A3 : No roo compact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and	
		Inspecto	or Comm	nent			
LMA grout	ed rodent l	hole on levee	crown.				

No Photos

LM Start 2.02 Rating ** С Issue No. 38 Issue Type + Location * WS 2.02 Ma LM End Supplemental GPS Latitude/Longitude Category End **DWR Erosion Survey** 37.850534° 37.850534° Item -121.322285° -121.322285 ° DWR ID Comment Code

No Photos

Inspector Comment

07/25/2016: No sign of new erosion observed at the repaired site.

06/24/2015: No significant change observed.

06/19/2014: The erosion was repaired.

08/13/2013: No significant change observed.

08/07/2012: The erosion is right at the inside of a river bend. Dense vegetation is visible at the site. [2016 Site ID:RD0544U01RM48.81]

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	2.02	Rating **	М	Issue No.	97		
LM End	2.25	Issue Type +	Ma	Location *	WS		
Earthen Levee				GPS La	atitud	le/Longitude	
Category	Category			Start		End	
Vegetation			37.8506	32°	37.848206		
Item				-121.3225	01 °	-121.324869	
DWR ID	DWR_RD0	544_01_f _ 201	4_97				
		Comn	nent Cod	le			
V2 : Remo	V2 : Remove the wild growth other than native grasses from the levee slopes.						
	Inspector Comment						

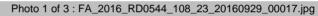
No Photos

LM Start	2.26	Rating **	U	Issue No.	23			
LM End	2.26	Issue Type +	Ma	Location *	LS			
Category Earthen Levee			GPS La	atitud	e/Longitude			
Calegory				Start		End		
Erosion / Bank Caving			37.848155 °		37.848155°			
пеш				-121.324897 °		-121.324897°		
DWR ID	DWR_RD0	544_01_s _ 201	2_23					
Comment Code								
E2: Sched	dule repair	of erosion site	e prior to	the next in	spec	ction.		

Inspector Comment

Caving/erosion around irrigation pipe on landside slope.

LM Start	2.26	Rating **	U	Issue No.	23 (cont)
LM End	2.26	Issue Type +	Ma	Location *	LS





Looking south at erosion around irriagation pipe on landside slope. (Fall 2014)

Photo 2 of 3: FA_2016_RD0544_108_23_20160929_00018.jpg



Looking north at erosion under irrigation pipe on landside slope.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	2.26	Rating **	U	Issue No.	23 (cont)			
LM End	2.26	Issue Type +	Ма	Location *	LS			
Catagory	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Erosion / Bank Caving			37.8481	55 °	37.848155°			
пеш				-121.324897 °		-121.324897 °		
DWR ID	DWR_RD0							
		Comn	nent Cod	de				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.		
		Inspecto	or Comm	nent				
Caving/erosion around irrigation pipe on landside slope.								



Looking east at erosion under irrigation pipe on landside slope.

LM Start	2.26	Rating **	U	Issue No.	98		
LM End	2.31	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory			Start		End		
Item	Trim / Thin Trees			37.8480	21 °	37.847343°	
item			-121.3248	39°	-121.324672°		
DWR ID	DWR_RD0	544_01_f _ 201	4_98				
		Comn	nent Coc	de			
T2 : Thin to	rees to allo	w visibility of	the grou	nd and rooi	n to	flood fight.	
		Inchact	or Comm	ont			

Inspector Comment

Untrimmed trees on landward slope.



Looking south at untrimmed trees on landward slope.

LM Start	2.27	Rating **	M	Issue No.		8	
LM End	2.33	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Category				Start		End	
Item	Animal Control			37.8479	73°	37.847105	0
пеш				-121.3248	20°	-121.324577	٥
DWR ID	DWR_RD0	544_01_s _ 201	2_8				

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	2.32	Rating **	M	Issue No.		34	
LM End	2.36	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Animal Co	ontrol		37.8472	92°	37.846743°	
пеш				-121.3246	62 °	-121.324336 °	
DWR ID DWR_RD0544_01_s _ 2012_34							
		Comn	nent Cod	de			
A1 : Exter	minate rod	ents and back	fill and o	compact or	grou	it burrows.	
		Inspecto	or Comm	nent			
Several rodent hole within this reach.							

Photo 1 of 2 : FA_2016_RD0544_108_34_20160929_00025.jpg

Looking south at several rodent holes on landward shoulder and slope.

 LM Start
 2.32
 Rating **
 M
 Issue No.
 34 (cont)

 LM End
 2.36
 Issue Type +
 Ma
 Location *
 LS

Photo 2 of 2: FA_2016_RD0544_108_34_20160929_00026.jpg



Looking at rodent hole on levee crown.

LM Start	2.36	Rating **	М	Issue No.		74	_
LM End	2.36	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Trim / Thin Trees			37.8466	87°	37.846687	0	
пеш	em			-121.324278 °		-121.324278	0
DWR ID	DWR ID DWR_RD0544_01_f _ 2013_74						
		Comn	nent Cod	de			
T1 : Trim t	rees to at I	east five feet	above g	round level.			
	Inspector Comment						

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	2.37	Rating **	С	Issue No.		65	
LM End	2.37	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		37.8466	60°	37.846660°	
пеш				-121.3242	40°	-121.324240°	
DWR ID DWR_RD0544_01_s _ 2013_65							
		Comn	nent Cod	de			
T2 : Thin t	rees to allo	w visibility of	the grou	nd and roo	m to	flood fight.	
Inspector Comment							

No Photos

LM Start	2.46	Rating **	М	Issue No.		99		
LM End	3.18	Issue Type +	Ma	Location *		WS		
Category Earthen Levee			GPS Latitude/Longitude					
			Start		End			
Vegetation			37.845640°		37.837391°			
пеш				-121.3229	75°	-121.317456°		
DWR ID	DWR ID DWR_RD0544_01_f _ 2014_99							
Comment Code								
1/2 · Domo	wa tha wile	d arouth other	than no	tivo arocco	o fro	m the levee		

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment



Looking south at dense vegetation on waterward shoulder and slope.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	2.57	Rating **	M	Issue No.		60	
LM End	2.57	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		37.8443	37°	37.844337°	
пеш			-121.321853 °		-121.321853 °		
DWR ID DWR_RD0544_01_s _ 2012_60							
		Comn	nent Cod	de			
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.							
		Inspecto	or Comm	nent			
Finger erosion on landward slope.							

LM Start	2.57	Rating **	М	Issue No.	60 (cont)
LM End	2.57	Issue Type +	Ма	Location *	LS

LM End



Looking north at slope damage on landside slope.

Photo 2 of 2: FA_2016_RD0544_108_60_20160929_00042.jpg



Looking south at slope damage on landside slope.

LM Start	2.65	Rating **	С	Issue No.		100	
LM End	2.94	Issue Type +	Ма	Location *		CR	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		37.8432	62°	37.840656 °	
itom				-121.3216	66 °	-121.318590 °	
DWR ID DWR_RD0544_01_f _ 2014_100							
		Comn	nent Cod	de			
V2 : Remo slopes.	ve the wild	d growth other	than na	tive grasse	s froi	m the levee	
		Inspecto	or Comm	nent			

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	2.84	Rating **	N	Issue No.		22		
LM End	2.84	Issue Type +	Ma	Location *		LS		
Category	Catagoria Earthen Levee					e/Longitude		
Calegory				Start		End		
Item	Trim / Thin Trees				75°	37.841075°		
пеш				-121.3202	05°	-121.320205°		
DWR ID DWR_RD0544_01_s _ 2012_22								
		Comn	nent Cod	de				
T5 : Tree s	stumps.							
		Inspecto	or Comm	nent				

No Photos

-								
LM Start	2.89	Rating **	U	Issue No.		106		
LM End	3.16	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS La	atituc	le/Longitude		
Calegory				Start		End		
Item	Vegetation			37.8409	52°	37.837588°		
пеш				-121.3193	27°	-121.317540°		
DWR ID	DWR_RD0	544_01_s _ 201	5_106					
		Comn	nent Coo	de				
V2 : Remove the wild growth other than native grasses from the levee slopes.								
	Inspector Comment							
Dense willi	iows and v	egetation wat	erward s	lope.				

Photo 1 of 1 : FA_2016_RD0544_108_106_20160929_00064.jpg



Looking southeast at dense willows (veg) on waterward slope and toe fall 2015.

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	2.95	Rating **	М	Issue No.		107		
LM End	2.96	Issue Type +	Ма	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Erosion / I	Bank Caving		37.8405	60°	37.840467°		
item						-121.318367 °		
DWR ID DWR_RD0544_01_s _ 2015_107								
	Comment Code							
E1 : Note a	and monito	r erosion site						
		Inspecto	or Comm	nent				
Several de	pressions	on landward s	slope wit	hin this rea	ch.			

· 数		1			W. Janes
	高			NO.	
16 A				1	35
South File	1		Se suid		4
	· //				40
Maria A			3		-

Photo 1 of 2: FA_2016_RD0544_108_107_20160929_00065.jpg

Looking south at depression on landward slope.

LM Start 2.95 Rating ** M Issue No. 107 (cont) LM End 2.96 Issue Type + Ma Location * LS

Photo 2 of 2: FA_2016_RD0544_108_107_20160929_00066.jpg



Looking west at depression on landward shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	2.95	Rating **	U	Issue No.		46		
LM End	2.95	Issue Type +	Ma	Location *		WS		
Category	Suppleme	ental		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	DWR Ero	sion Survey		37.8406	97°	37.840697 °		
пеш				-121.3182	252°	-121.318252 °		
DWR ID								
		Comn	nent Cod	de				
		Inspecto	or Comm	nent				
07/25/2016	6: No signi	ficant change	observe	d.				
06/24/2015	5: No signi	ficant change	observe	d.				
06/19/2014	4: No signi	ficant change	observe	d.				
08/13/2013	3: Pump h	as been remo	ved. A la	irger pocke	t ero	sion has		
been found	d at the ero	osion site.						
		sion is immed				r bend.		
Dense veg	Dense vegetation is visible at the erosion site. [2016 Site							



Photo 1 of 2: SJR2016_RD0544U01RM49.67_1.jpg

Front view of the erosion.

LM Start 2.95 Rating ** U Issue No. 46 (cont) LM End 2.95 Issue Type + Ma Location * WS

ID:RD0544U01RM49.67]

Photo 2 of 2: SJR2016_RD0544U01RM49.67_3.jpg



Close view of the site.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	2.95	Rating **	U	Issue No.		47	
LM End	3.19	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS L	atitud	e/Longitude	
Calegory				Start		End	
Item	Vegetatio	Vegetation				37.837225 °	
пеш			-121.3183	890°	-121.317408°		
DWR ID DWR_RD0544_01_s _ 2012_47							
		Comn	nent Cod	de			
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee	
		Inspecto	or Comm	nent			



Looking south at dense veg on landward slope fall 2015.

LM Start	3.08	Rating **	М	Issue No.		108		
LM End	3.08	Issue Type +	Ma	Location *	LS			
Category	Earthen L	evee		GPS La	atituc	le/Longitude		
Calegory	Category			Start		End		
Item	Trim / Thin Trees			37.8387	33°	37.838733°		
пеш				-121.317918 °		-121.317918°		
DWR ID	DWR_RD0	544_01_s _ 201	5_108					
		Comn	nent Coc	le				
T1 : Trim t	rees to at	east five feet	above g	round level.				
		Inspecto	or Comm	ent				

No Photos

LM Start	3.14	Rating **	М	Issue No.		76	
LM End	3.14	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		37.8379	29°	37.837929°	
пеш			-121.3			-121.317663°	
DWR ID DWR_RD0544_01_f _ 2013_76							
		Comn	nent Cod	de			
S1 : Repai	ir slope ins	tability.					
		Inspecto	or Comm	nent			
Slope damaged extends from levee slope to shoulder.							



** Rating
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

** Rating
A: Acceptable A: Acceptable N: Not Inspected/Rated M: Minimally Acceptable CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated M: Maintenance Deficiancy
CB: Corrected Ob: Design & System Obsolescence
CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated Ob: Design & System Obsolescence
CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated Ob: Design & System Obsolescence
CR: Crown

** Rating
A: Acceptable N: Not Inspected/Rated Ob: Design & System Obsolescence
CR: Crown

** Rating

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	3.17	Rating **	М	Issue No.		62	
LM End	3.17	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Sta		37.8375	30°	37.837530		
item				-121.317510° -121.3175			
DWR ID	DWR_RD0	544_01_s _ 201	2_62				
		Comn	nent Cod	de			
S2 : Repai where pos		slope damag	jed by fo	ot traffic an	d pre	event access	
		Inspecto	or Comm	nent			
Slope damage due to foot traffic.							



Looking east at slope damaged by foot traffic near pump house on waterside of levee.

LM Start	3.22	Rating **	U	Issue No.		49	
LM End	3.84	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS La	atitud	le/Longitude		
Calegory			Start			End	
Item	Vegetatio	n		37.8367	63°	37.829195°	
пеш				-121.317307°		7° -121.311918°	
DWR ID	DWR_RD0	544_01_s _ 201	2_49			·	
Comment Code							
1/2 : Remove the wild growth other than native grasses from the levee							

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Dense vegetation on waterward slope.

Photo 1 of 1 : FA_2016_RD0544_108_49_20161107_00140.jpg



Looking northeast at dense veg on waterward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	3.23	Rating **	U	Issue No.	48		
LM End	3.26	Issue Type +	Ma	Location *	LS		
Earthen Levee				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Item	Vegetatio	n		37.8366	15°	37.836133	0
item				-121.3172	85 °	-121.317153	0
DWR ID DWR_RD0544_01_s _ 2012_48							
Comment Code							

 $\ensuremath{\mathsf{V2}}$: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment



Looking south at typical view of dense veg on landward slope.

Photo 1 of 1: FA_2016_RD0544_108_50_20160929_00039.jpg

LM Start	3.29	Rating **	М	Issue No.		50	
LM End	3.29	Issue Type +	Ма	Location *	WS		
Earthen Levee			GPS La	atitud	e/Longitude		
Category			Start		End		
Item	Erosion /	Bank Caving		37.8358	15°	37.835815°	
item				-121.3169	97°	-121.316997°	
DWR ID DWR_RD0544_01_s _ 2012_50							
0 10 1							

Comment Code

E1: Note and monitor erosion site.

Inspector Comment

Erosion located on waterside shoulder. Erosion caused by rain runoff.



Looking east at	erosion on	waterward slope.
-----------------	------------	------------------

LM Start	3.48	Rating **	M	Issue No.		56	
LM End	3.48	Issue Type +	Ma	Location *		LS	
Category	Catagoni Earthen Levee			GPS La	tituc	de/Longitude	
Category				Start		End	
Item	Vegetatio	n		37.8335	33°	37.833583	0
пеш				-121.31496	86°	-121.314968	0
DWR ID	DWR_RD0	544_01_s _ 201	2_56				

Comment Code

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR · Crown	U · Unacceptable	A/W · Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	3.49	Rating **	М	Issue No.		51	
LM End	4.67	Issue Type +	Ма	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		37.8334	32°	37.821853°	
пеш				-121.3147	92°	-121.319992°	
DWR ID	DWR ID DWR_RD0544_01_s _ 2012_51						
		Comn	nent Cod	de			
V2 : Remoslopes.	ove the wild	d growth other	than na	tive grasses	s fro	m the levee	
		Inspect	or Comm	nent			

No Photos

LM Start	3.76	Rating **	М	Issue No.		109	
LM End	3.92	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS L	atitud	e/Longitude	
Category				Start		End	
Vegetation				37.8302	250°	° 37.828013°	
пеш		-121.312323°		-121.311467°			
DWR ID	DWR_RD0	544_01_s _ 201	5_109			·	
		Comn	nent Cod	de			
V4 : Elderl	perries are	blocking visit	ility and	flood fight	capa	ability.	
		Inspecto	or Comm	nent			

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	3.78	Rating **	М	Issue No.		102	
LM End	4.64	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetatio	37.8300	32°	37.822028°			
пеш			-121.3122	20°	-121.319429°		
DWR ID	DWR_RD0	544_01_f _ 201	4_102				
		Comn	nent Cod	de			
V2 : Remo	ve the wild	d growth other	than na	tive grasse	s fro	m the levee	
	Inspector Comment						

No Photos

LM Start	3.92	.92 Rating ** U Issue No.				11	
LM End	4.05	Issue Type +	Ma	Location *	WS		
Category	Earthen L		GPS Latitude/Longitude				
Category				Start		End	
Item	Animal Control			37.828078°		37.826315°	
пеш				-121.311483 °		-121.311024°	
DWR ID	DWR ID DWR_RD0544_01_s _ 2012_11						
Comment Code							
A1 : Exterr	A1 : Exterminate rodents and backfill and compact or grout burrows.						

Inspector Comment

Large rodent holes on waterward slope.



Looking at large rodent holes on waterward slope.

LM Start	3.97	Rating **	M	Issue No.		24	
LM End	3.97	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS La	tituc	le/Longitude	
Category	Category				Start End		
Item	Vegetatio	n		37.8273	60°	37.827360	0
item				-121.3110	67°	-121.311067	0
DWR ID	DWR_RD0	544_01_s _ 201	5_24				
		_					

Comment Code

V4 : Elderberries are blocking visibility and flood fight capability.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR · Crown	II · I Inaccentable	AMM · Accentable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.09	Rating **	М	Issue No.		110			
LM End	4.09	Issue Type +	Ма	Location *		LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude			
Calegory				Start		End			
Item	n Trees	37.8258	852°	37.825852°					
пеш	item					-121.311542°			
DWR ID	DWR_RD0	544_01_s _ 201	5_110						
		Comn	nent Cod	de					
T1 : Trim t	rees to at	east five feet	above g	round level					
			_						
		Inspecto	or Comm	nent					

No Photos

LM Start	4.14	U	Issue No.		52	
LM End	4.30	Issue Type +	Ma	Location *	LS	
Catagory	Category Earthen Levee			GPS La	atitud	le/Longitude
Calegory				Start		End
Item	Vegetation			37.825762°		37.825005°
itom				-121.3123	93°	-121.314982 °
DWR ID	DWR_RD0	544_01_s _ 201	2_52			
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee						

slopes.

Inspector Comment

Dense vegetation on waterward slope.



Looking south at dense veg on landward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.23	Rating **	М	Issue No.		84	
LM End	4.24	Issue Type +	Ma	Location *		WS	
Category	Suppleme	ental		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	sion Survey	37.8252	48°	37.825248 °			
пеш	tem				56°	6° -121.313856°	
DWR ID							
		Comn	nent Cod	de			
		Inspecto	or Comm	nent			
07/25/2016	6: No signi	ficant change	observe	d.			
06/24/2015	5: No signi	ficant change	observe	ed.			
06/19/2014	4: No signi	ficant change	observe	ed.			
08/13/2013	3: The eros	sion has been	caused	by irrigation	n pip	e. [2016 Site	
ID:RD0544	4U01RM51	.04]					
		D (1) ++		L. N.			

LM Start	4.23	Rating **	М	Issue No.	84 (cont)
LM End	4.24	Issue Type +	Ма	Location *	WS



Front view of the site.

Photo 2 of 2: SJR2016_RD0544U01RM51.04_3.jpg



Close view of the site.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.23	Rating **	С	Issue No.		125	
LM End	4.23	Issue Type +	Ма	Location *		WS	
Category			GPS Latitude/Longitude				
Calegory				Start		End	
Item	DWR Erosion Survey			37.82436	60°	37.824360 °	
item				-121.31436	60°	-121.314360 °	
DWR ID							
Comment Code							

Inspector Comment

07/25/2016: No sign of erosion observed at the repaired site.

06/24/2015: The erosion has been repaired.

06/19/2014: No significant change observed.

08/13/2013: This erosion has been caused by instability of the levee .

Larger trees exist downstream of the erosion site. [2016 Site

ID:RD0544U01RM51.09]

LM Start	4.24	Rating **	U	Issue No.		57					
LM End	4.49	Issue Type +	Ма	Location *		LS					
Category Earthen Levee				GPS La	atitud	le/Longitude					
Category				Start		End					
Item	Vegetatio	n		37.8255	17°	37.822955°					
item		-121.314160° -12									
DWR ID	DWR ID DWR_RD0544_01_s _ 2012_57										
		Comn	nent Cod	de							
V4 : Elderk	perries are	blocking visib	ility and	flood fight	capa	bility.					
		Inspecto	or Comm	nent							
Dense elde	Dense elderberry on landward slope and toe.										





Looking southwest at dense elderberries on landward slope fall 2015.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.25	Rating **	U	Issue No.	120				
LM End	4.28	Issue Type +	Ma	Location *	LS				
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Calegory				Start		End			
Item	Trim / Thi	n Trees		37.8254	82°	37.825229°			
пеш			-121.3142	98°	-121.314771 °				
DWR ID DWR_RD0544_01_f _ 2015_120									
		Comn	nent Cod	de					
T1 : Trim t	rees to at I	east five feet	above g	round level					
		Inspecto	or Comm	nent					
Several un	trimmed tr	ees on landw	ard slop	e.					



Looking southwest at untrimmed trees on landward slope.

LM Start	4.30	Rating **	М	Issue No.	59		
LM End	4.30	Issue Type +	Ма	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory	y			Start		End	
Item	Vegetatio	n		37.8249	43°	37.824943°	
item				-121.3150	08°	-121.315008°	
DWR ID DWR_RD0544_01_s _ 2012_59							
Comment Code							

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

No Photos

LM Start	4.40	Rating **	M	Issue No.		54			
LM End	6.05	Issue Type +	Ma	Location *		WS			
Category	Earthen Levee			Earthen Levee				atitud	e/Longitude
Category				Start		End			
Item	Vegetatio	n		37.8236	17°	37.808766°			
пеш			-121.3155	50°	-121.328198°				
DWR ID	DWR_RD0	544_01_s _ 201	2_54						

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Issue has been corrected, but should be monitored.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.48	Rating **	М	Issue No.		103									
LM End	4.48	Issue Type +	Ma	Location *	LS										
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude									
Category				Start		End									
Item	Animal Co	ontrol		37.8230	27°	37.823027°									
пеш				-121.3167	'37 °	-121.316737°									
DWR ID	DWR_RD0	544_01_f _ 201	4_103												
		Comn	nent Cod	de											
A1 : Exter	minate rod	ents and back	fill and o	compact or	grou	t burrows.									
		Inspecto	or Comm	nent											

No Photos

LM Start	4.49	Rating **	U	Issue No.	41			
LM End	4.49	Issue Type +	Ma	Location *	LS			
Cotogon Earthen Levee				GPS Latitude/Longitude				
Category	Category					End		
Item	Vegetatio	37.8229	34°	37.822934°				
item				-121.316870 °		-121.316870 °		
DWR ID	DWR_RD0	544_01_s _ 201	2_41					
		Comn	nent Cod	de				
V4 : Elderl	perries are	blocking visib	ility and	flood fight	сара	ability.		
	Inspector Comment							



Looking south at elderberries on landside slope and toe.

N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.64	Rating **	U	Issue No.		104		
LM End	4.68	Issue Type +	Ма	Location *		LS		
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End			
Trim / Thin Trees			37.822033 °		37.821826°			
пеш	item				32°	-121.320071 °		
DWR ID DWR_RD0544_01_f _ 2014_104								
Comment Code								
T2 : Thin trees to allow visibility of the ground and room to flood fight.								
Inspector Comment								
Dense untrimmed trees on landward slope.								



Looking southwest at dense untrimmed trees on landward slope fall 2015.

LM Start	4.69	Rating **	U	Issue No.		105		
LM End	4.69	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS Latitude/Longitude				
Category			Start		End			
Trim / Thin Trees			37.821775°		37.821775°			
пеш	item				03°	-121.320203 °		
DWR ID DWR_RD0544_01_f _ 2014_105								
Comment Code								
T2 : Thin trees to allow visibility of the ground and room to flood fight.								
Inspector Comment								
Tree has overgrown onto levee crown.								



Looking south at overgrown tree on landward shoulder.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.69	Rating **	М	Issue No.		111		
LM End	4.69	Issue Type +	Ma	Location *		LS		
Cotogony	Earthen Levee			GPS Latitude/Longitude				
Category			Start		End			
Item	Encroachments			37.821783 °		37.821783°		
item				-121.320237 °		-121.320237°		
DWR ID DWR_RD0544_01_s _ 2015_111								
Comment Code								
PR : Prunings								
Inspector Comment								
Prunings on landward shoulder.								

No Photos

LM Start	4.71	Rating **	М	Issue No.		28		
LM End	4.71	Issue Type +	Ma	Location *		LS		
Category	Earthen Levee			GPS Latitude/Longitude				
Calegory			Start		End			
Item	Slope Stability			37.821626°		37.821626°		
пеш			-121.320471 °		-121.320471 °			
DWR ID DWR_RD0544_01_s _ 2012_28								
Comment Code								
S1 : Repair slope instability.								
Inspector Comment								

LM Start	4.71	Rating **	М	Issue No.	28 (cont)
LM End	4.71	Issue Type +	Ma	Location *	LS



Looking northeast at erosion around irrigation pipe on landside slope.

Photo 2 of 2: FA_2016_RD0544_108_28_20160929_00022.jpg



Looking north at erosion around irrigation pipe on landside

*Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy

C : Corrected Ob : Design & System Obsolescence

U : Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating

A : Acceptable M : Maintenance Deficiancy

Ob : Design & System Obsolescence

En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.71 Rating ** M			Issue No.	29		
LM End	4.71	Issue Type +	Ма	Location *		CR	
Category	evee	GPS La	atitud	e/Longitude			
Calegory				Start		End	
Itom	Animal Co	ontrol		37.8216	26°	37.821626°	
item	Item				71 °	-121.320471°	
DWR ID DWR_RD0544_01_s _ 2012_29							
	Comment Code						

A3 : No rodents visible, but rodent burrows visible; need to backfill and

compact or grout burrows.

Inspector Comment

District has employed a rodent control program and grouted holes.

No Photos

LM Start	4.71	Rating **	M	Issue No.		26	
LM End	4.74	Issue Type +	Ма	Location *		LS	
Category	GPS Latitude/Longitude						
Category				Start		End	
Item	Vegetation			37.8215	92°	37.821253	0
пеш				-121.3206	17°	-121.320927	0
DWR ID	DWR_RD0	544_01_s _ 201	2_26				

Comment Code

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

No Photos

LM Start	4.74	Rating **	U	Issue No.		83	
LM End	4.74	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory	alegory .					End	
Item	Animal Co	Animal Control			87°	37.821287	0
item		-121.3208	97°	-121.320897	0		
DWR ID	DWR_RD0544_01_f _ 2016_83						

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

Large rodent hole on waterward shoulder.



Photo 1 of 1: FA_2016_RD0544_108_83_20161107_00145.jpg

Looking at large rodent hole on landward slope.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M: Minimally Acceptable CR : Corrected U: Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating

A : Not Applicable M: Not Inspected/Rated M: Minimally Acceptable D: C: Corrected Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.77	Rating **	U	Issue No.		112
LM End	4.77	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS L	atitud	e/Longitude
Calegory				Start		End
Item	Trim / Thin Trees			37.8208	828°	37.820828 °
пеш		-121.321193 °		-121.321193°		
DWR ID DWR_RD0544_01_s _ 2015_112						
		Comn	nent Cod	de		
T1 : Trim t	rees to at I	east five feet	above g	round level		
			_			
		Inspecto	or Comm	nent		



Looking southwest at dense trees on landward slope and toe.

		D :: **		I N		
LM Start	4.77	Rating **	U	Issue No.		113
LM End	4.77	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Erosion / Bank Caving			37.8208	28°	37.820828°
itom				-121.3211	93°	-121.321193°
DWR ID DWR_RD0544_01_s _ 2015_113						
		Comn	nent Cod	de		
E1 : Note a	and monito	or erosion site				
		Inspecto	or Comm	nent		
Large hole, possibly a rodent hole, on waterward slope.						



Looking north at large hole on waterward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.81	Rating **	A/W	Issue No.		30
LM End	4.81	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Encroachments			37.8202	27°	37.820227°
пеш			-121.321115°		-121.321115°	
DWR ID	DWR_RD0	544_01_s _ 201	2_30			
		Comn	nent Coo	le		
PR : Pruni	ngs					
Inspector Comment						
Remove dead stumps at landside toe and prunings on landside slope.						

No Photos

LM Start	4.83	Rating **	М	Issue No.		31	
LM End	6.05	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Calegory				Start		End	
Vegetation			37.8200	81 °	37.808766	0	
ILEIII				404 0040	40 0	404 000400	c

DWR ID DWR_RD0544_01_s _ 2012_31

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

No Photos

LM Start	4.86	Rating **	M	Issue No.		114	
LM End	4.86	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
				Start End		End	
Item	Vegetation			37.81964	12°	37.819642	٥
item				-121.32077	77°	-121.320777	0
DWR ID DWR_RD0544_01_s _ 2015_114							
		_					

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Cactus on landward slope.

No Photos

Page 39 of 45

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.89	Rating **	М	Issue No.	32					
LM End	4.89	Issue Type +	Ma	Location *		LS				
Catagory	Earthen Levee GPS Latitude/Longitud									
Category				Start		End				
Item	Vegetatio	n		37.8192	49°	37.819249°				
пеш			-121.320460 °		-121.320460 °					
DWR ID	DWR_RD0	544_01_s _ 201	2_32							
		Comn	nent Cod	de						
V2 : Remo	V2 : Remove the wild growth other than native grasses from the levee slopes.									
Inspector Comment										
Issue has been corrected, but should be monitored.										

No Photos

LM Start	4.95	Rating **	М	Issue No.	33		
LM End	5.26	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetation			37.8187	18°	37.814662°	
item			-121.3195	08°	-121.320302°		
DWR ID DWR_RD0544_01_s _ 2012_33							
		Comn	nent Coc	łe			

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Vegetation has been sprayed, and it should be monitored.

Photo 1 of 2: FA_2016_RD0544_108_33_20160929_00023.jpg



Looking southwest at cleared landward slope and berm fall 2015.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	4.95	Rating **	М	Issue No.		33 (cont)			
LM End	5.26	Issue Type +	Ma	Location *		LS			
Category	evee	GPS La	atitud	e/Longitude					
Calegory			Start		End				
Item	Vegetatio	n		37.8187	'18 °	37.814662°			
пеш				-121.319508°		-121.320302 °			
DWR ID DWR_RD0544_01_s _ 2012_33									
		Comn	nent Cod	de					
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee			
		Inspecto	or Comm	nent					
Vegetation has been sprayed, and it should be monitored.									



Looking southwest at dense vegetation at landward slope and toe.(Spring 2015)

LM Start	5.00	Rating **	М	Issue No.		17					
LM End	5.00	Issue Type +	Ma	Location *	LS						
Category	evee	GPS Latitude/Longitude									
Category				Start		End					
Vegetation			37.818152°		37.818152°						
item			-121.319095 °		-121.319095°						
DWR ID	DWR ID DWR_RD0544_01_s _ 2012_17										
Comment Code											
V4 : Elderk	V4 : Elderberries are blocking visibility and flood fight capability.										

Inspector Comment

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	5.34	Rating **	М	Issue No.	35			
LM End	5.34	Issue Type +	Ma	Location *		LS		
Category Earthen Levee			GPS Latitude/Longitud					
Calegory				Start		End		
Item	Vegetation			37.813659°		37.813659°		
item			-121.319614°		-121.319614°			
DWR ID	DWR_RD0	544_01_s _ 201	2_35					
Comment Code								
1/2 · Remo	we the wild	d arowth other	than na	tive arasses	fro	m the levee		

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

LMA corrected site, but some vegetation still exists.



Looking south at bamboo on landward slope and toe.

LM Start	5.49	Rating **	U	Issue No.		18					
LM End	5.55	Issue Type +	Ма	Location *		LS					
Category	Earthen L	evee		GPS Latitude/Longitude							
Calegory				Start		End					
Item	Vegetatio	n		37.8120	33°	37.811687°					
item				-121.319737°		-121.320677 °					
DWR ID DWR_RD0544_01_s _ 2012_18											
		Comn	nent Cod	le							
V4 : Elderb	perries are	blocking visib	ility and	flood fight	capa	ability.					
		Inspecto	or Comm	ent							
Elderberry exists on the slope of the levee.											

LM Start	5.49	Rating **	U	Issue No.	18 (cont)
LM End	5.55	Issue Type +	Ма	Location *	LS



Looking south at dense vegetation on landward slope and toe.(Spirng 2015)

Photo 2 of 2: FA_2016_RD0544_108_18_20160929_00016.jpg



Looking south at elderberries on landside slope and toe.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	5.60	Rating **	U	Issue No.		121	
LM End	5.60	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS L	atitude	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		37.8112	34°	37.811234°	
iteiii			-121.3214	12°	-121.321412°		
DWR ID	R ID DWR_RD0544_01_f _ 2015_121						
		Comn	nent Cod	de			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spec	tion.	
		Inspecto	or Comm	nent			
Someone digging/excavating on waterward berm. Excavation in 3ft wide and eighteen inches deep and ten feet long.							

LM Start	5.60	Rating **	U	Issue No.	121 (cont)
LM End	5.60	Issue Type +	Ma	Location *	WS

Issue Type +

LM End

5.60

Photo 1 of 4: FA_2016_RD0544_108_121_20160929_00076.jpg



Looking west at excavation on waterward berm.

Photo 2 of 4: FA_2016_RD0544_108_121_20160929_00077.jpg



Looking east at excavation on waterward berm.

Photo 3 of 4: FA_2016_RD0544_108_121_20160929_00078.jpg

LM Start	5.60	Rating **	U	Issue No.	121 (cont)
LM End	5.60	Issue Type +	Ма	Location *	WS



Looking northeast at excavation on waterward berm

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	5.60	Rating **	U	Issue No.	121 (cont)	
LM End	5.60	Issue Type +	Ma	Location *	WS	
Earthen Levee			GPS La	titud	e/Longitude	
Category						End
Item	Erosion / Bank Caving			37.81123	34°	37.811234°
item				-121.3214	12 °	-121.321412°
DWR ID	DWR ID DWR_RD0544_01_f _ 2015_121					
		C		l =		

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Someone digging/excavating on waterward berm. Excavation in 3ft wide and eighteen inches deep and ten feet long.



Looking southeast at excavation on waterward berm.

LM Start	5.64	Rating **	N	Issue No.	40			
LM End	5.64	Issue Type +	Ма	Location *	LS			
Catagoria Earthen Levee				GPS La	ititud	e/Longitude		
Category				Start		End		
Item	Trim / Thi	n Trees		37.8111	99°	37.811199	0	
пеш				-121.3221	76°	-121.322176	0	
DWR ID	544_01_s _ 201							
0								

Comment Code

T5 : Tree stumps.

Inspector Comment

No Photos

LM Start	5.72	Rating **	U	Issue No.		115	
LM End	5.72	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Category	Category				Start		
Item	Slope Stability				25°	37.811225	0
пеш				-121.3235	75°	-121.323575	0
DWR ID	DWR_RD0	544_01_s _ 201	5_115			,	

Comment Code

S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.

Inspector Comment

Landowner excavated hole above pipe.Large hole left on landward shoulder and slope. Call LMA about repair.

Photo 1 of 3: FA_2016_RD0544_108_115_20161107_00147.jpg



Looking west at large excavation on landward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Left	6.05	10/12/2016 11/02/2016	Richard Willoughby

LM Start	5.72	Rating **	U	Issue No.		115 (cont)	
LM End	5.72	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory	alegory			Start		End	
Item	Slope Stability			37.8112	25°	37.811225°	
item				-121.3235	75 °	-121.323575 °	
DWR ID	DWR_RD0	544_01_s _ 201	5_115				
		Comn	nent Cod	de			
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.							

Inspector Comment

Landowner excavated hole above pipe.Large hole left on landward shoulder and slope. Call LMA about repair.

LM Start	5.72	Rating **	U	Issue No.	115 (cont)
LM End	5.72	Issue Type +	Ma	Location *	LS



Looking westly at large excavation on landward slope.

Photo 3 of 3: FA_2016_RD0544_108_115_20161107_00148.jpg



Looking south at large excavation on landward slope.

LM Start	5.86	Rating **	М	Issue No.		116		
LM End	6.04	Issue Type +	Ма	Location *		LS		
Catagory	Earthen L	evee		GPS La	atitud	le/Longitude		
Category				Start		End		
Vegetation Item				37.810685°		37.808880°		
пеш				-121.325827°		-121.328055 °		
DWR ID	DWR_RD0	544_01_s _ 201	5_116					
		Comn	nent Coo	de				
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee		
	Inspector Comment							

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	0.03	Rating **	М	Issue No.		3		
LM End	0.17	Issue Type +	Ma	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Vegetatio	n		37.8086	03°	37.808213 °		
item				-121.3287	-121.331241 °			
DWR ID DWR_RD0544_02_s _ 2012_3								
		Comn	nent Cod	de				
V2 : Remo	ve the wild	d growth other	than na	tive grasse	s fro	m the levee		
		Inspecto	or Comm	nent				
						-		

-	and and	Alexa	-	-	janka 🥮	No.
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			14		有和	
						MAKE
	No.		100			

Photo 1 of 2: FA_2016_RD0544_109_3_20160929_00002.jpg

Looking south at dense veg on landward slope and toe fall 2015.

 LM Start
 0.03
 Rating **
 M
 Issue No.
 3 (cont)

 LM End
 0.17
 Issue Type +
 Ma
 Location *
 LS

Photo 2 of 2: FA_2016_RD0544_109_3_20160929_00003.jpg



Looking south at dense vegetation at landward toe spring 2014.

LM Start	0.06	Rating **	М	Issue No.		2	
LM End	0.43	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory	Category					End	
Item	Vegetation				16°	37.810253	0
item				-121.3292	03°	-121.334930	0
DWR ID	DWR_RD0	544_02_s _ 201	12_2				
		Comn	nent Cod	de			
V2 : Remove the wild growth other than native grasses from the levee slopes.							

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	0.40	Rating **	М	Issue No.		4		
LM End	0.40	Issue Type +	Ma	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Vegetatio	n		37.8097	'88	37.809788 °		
пеш				-121.3347	'27 °	-121.334727°		
DWR ID	DWR ID DWR_RD0544_02_s _ 2012_4							
		Comn	nent Cod	de				
V4 : Elderl	berries are	blocking visib	oility and	flood fight	сара	bility.		
			_					
		Inspecto	or Comm	nent				

No Photos

LM Start	0.43	Rating **	М	Issue No.		1		
LM End	1.12	Issue Type +	Ма	Location *		LS		
Category Earthen Levee			GPS Latitude/Longitude					
Calegory				Start		End		
Item	Vegetatio	n		37.810250 ° 37.8194				
item				-121.3349	33°	-121.333755 °		
DWR ID	DWR_RD0	544_02_s _ 201	2_1					
Comment Code								
V2 · Remo	ve the wild	d arowth other	than na	tive grasses	fro	m the levee		

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment



Looking southwest at dense vegetation at landward toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	0.52	Rating **	N	Issue No.		11		
LM End	0.52	Issue Type +	Ma	Location *		LS		
0-4	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Trim / Thi	n Trees		37.8115	92°	37.811592°		
item			-121.3350)18°	-121.335018 °			
DWR ID	DWR ID DWR_RD0544_02_s _ 2012_11							
		Comn	nent Cod	de				
T5 : Tree s	stumps.							
		Inspecto	or Comm	nent				

No Photos

LM Start	0.64	Rating **	U	Issue No.		46		
LM End	0.64	Issue Type +	Ma	Location *		LS		
Category Earthen Levee			GPS La	atitud	e/Longitude			
Calegory				Start		End		
Item	Erosion /	Bank Caving		37.8131	97°	37.813197°		
пеш			-121.335055 °		-121.335055 °			
DWR ID	DWR ID DWR_RD0544_02_s _ 2015_46							
		Comn	nent Cod	de				
E1 : Note and monitor erosion site.								
Inspector Comment								
Darnragaio	Downsonian greater than one inch doop and greater that three inches							

on landward shoulder

Derpression greater than one inch deep and greater that three inches

Photo 1 of 1: FA_2016_RD0544_109_46_20160929_00041.jpg

Looking at depression on landward shoulder.

LM Start	0.72	Rating **	A/W	Issue No.		5	
LM End	0.72	Issue Type +	Ma	Location *	LS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Item	Vegetation			37.8143	33°	37.814333°	
item				-121.3345	92 °	-121.334592°	
DWR ID DWR_RD0544_02_s _ 2012_5							
Comment Code							

V4: Elderberries are blocking visibility and flood fight capability.

Inspector Comment

* Location	*	** Rating		+ Issue Type
LS : Land Side N/A : No	t Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CP · Crown		II · I Inaccontable	AAA · Accontable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	0.78	Rating **	U	Issue No.		8	
LM End	0.78	Issue Type +	Ma	Location *	WS		
Category Interior Drainage & Piping Systems			GPS Latitude/Longitude				
			Start		End		
Erosion Areas			37.815094°		37.815094°		
itein	Item			-121.333927 °		-121.333927°	
DWR ID DWR_RD0544_02_s _ 2012_8							
Comment Code							

Inspector Comment

Caving under and around siphon on waterside shoulder. No material 3' below pipe. Caving around siphon is 20" to 24" deep approximately 72" in diameter. During 2012 spring inspection hole appears to be enlarging.

LM Start	0.78	Rating **	U	Issue No.	8 (cont)
LM End	0.78	Issue Type +	Ma	Location *	WS



Looking at hole next to siphon on waterward shoulder. (Fall 2016)

Photo 2 of 6: FA_2016_RD0544_109_8_20160929_00008.jpg



Looking at caving around 10" siphon pipe on waterside shoulder.

Photo 3 of 6: FA_2016_RD0544_109_8_20160929_00009.jpg

LM Start	0.78	Rating **	U	Issue No.	8 (cont)
LM End	0.78	Issue Type +	Ma	Location *	WS





Looking south at depression greater than 6" on waterside shoulder.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	0.78	Rating **	U	Issue No.		8 (cont)	
LM End	0.78	Issue Type +	Ma	Location *	WS		
Category Interior Drainage & Piping Systems			GPS La	atitud	e/Longitude		
			Start		End		
ltom	Erosion Areas			37.815094°		37.815094°	
Item			-121.333927 °		-121.333927°		
DWR ID DWR_RD0544_02_s _ 2012_8							
Comment Code							

Inspector Comment

Caving under and around siphon on waterside shoulder. No material 3' below pipe. Caving around siphon is 20" to 24" deep approximately 72" in diameter. During 2012 spring inspection hole appears to be enlarging.

LM Start	0.78	Rating **	U	Issue No.	8 (cont)
LM End	0.78	Issue Type +	Ma	Location *	WS



Looking east at caving around siphon on waterside shoulder. (Spring 2012)

Photo 5 of 6: FA_2016_RD0544_109_8_20160929_00012.jpg



Looking west at caving around siphon on waterside shoulder. (Spring 2012)

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	0.78	Rating **	U	Issue No.	8 (cont)			
LM End	0.78	Issue Type +	Ma	Location *	WS			
Category Systems			GPS Latitude/Longitude					
Calegory	Systems			Start End				
Item	Erosion A	reas		37.8150	94°	37.815094°		
пеш						-121.333927°		
DWR ID	DWR ID DWR_RD0544_02_s _ 2012_8							
	Comment Code							

Inspector Comment

Caving under and around siphon on waterside shoulder. No material 3' below pipe. Caving around siphon is 20" to 24" deep approximately 72" in diameter. During 2012 spring inspection hole appears to be enlarging.



Looking south at caving around siphon on waterside shoulder.(Spring 2012)

LM Start	1.30	Rating **	U	Issue No. 49		49	
LM End	1.40	Issue Type +	Ma	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Vegetation			37.820767°		37.821582 °		
item				-121.3366	37.820767 ° 37.82158	-121.338102 °	
DWR ID DWR_RD0544_02_f _ 2014_49							
		Comn	nent Cod	de			

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Tobacco plants on waterward slope.

LM Start	1.30	Rating **	U	Issue No.	49 (cont)
LM End	1.40	Issue Type +	Ma	Location *	WS

Photo 1 of 2: FA_2016_RD0544_109_49_20161107_00087.jpg



Looking southwest at dense veg on landward slope. (Fall 2016)

Photo 2 of 2: FA_2016_RD0544_109_49_20160929_00042.jpg



Looking southwest at dense vegetation on landward slope and toe.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	1.34	Rating **	М	Issue No.		56
LM End	1.45	Issue Type +	Ma	Location *		LS
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Animal Co	ontrol		37.8211	68°	37.822083 °
пеш				-121.3372	12°	-121.338862°
DWR ID DWR_RD0544_02_s _ 2015_56						
		Comn	nent Cod	de		
A1 : Exter	minate rod	ents and back	fill and o	compact or	grou	t burrows.
		Inspecto	or Comm	nent		

No Photos

LM Start	1.37	Rating **	М	Issue No.		14	
LM End	1.37	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start En		End	
Item	Vegetation			37.8213	23°	37.821323°	
пеш				-121.3377	End 23 ° 37.8213	-121.337725°	
DWR ID	DWR_RD0	544_02_s _ 201	2_14				
Comment Code							
V2 : Remo	ve the wild	d growth other	than na	tive grasses	s fro	m the levee	

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Control bamboo on waterside slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	1.38	Rating **	U	Issue No.		10	
LM End	1.38	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Vegetatio	n		37.8214	23°	37.821423°	
пеш				-121.3378	-121.337878°		
DWR ID DWR_RD0544_02_s _ 2012_10							
		Comn	nent Cod	de			
V4 : Elderl	perries are	blocking visib	ility and	flood fight	capa	ability.	
		Inspecto	or Comm	nent			
Dense eld	erberry on	landward slop	e and to	e.			



Looking southwest at elderberries on landside slope.

 LM Start
 1.38
 Rating **
 U
 Issue No.
 10 (cont)

 LM End
 1.38
 Issue Type +
 Ma
 Location *
 LS



Looking south at elderberries on landside slope and toe.

LM Start	1.42	Rating **	М	Issue No.		22
LM End	1.42	Issue Type +	Ма	Location *	LS	
Earthen Levee			GPS La	atitud	le/Longitude	
Category				Start		End
Item	Slope Sta	bility		37.8216	97°	37.821697°
пеш				-121.338397° -121.3383		
DWR ID DWR_RD0544_02_s _ 2012_22						
Comment Code						
S3 : Repai access wh		slope damag le.	ed by ve	ehicle traffic	anc	l prevent
		Inspecto	or Comm	nent		
Damage caused by vehicle traffic.						



Looking northwest at slope damage caused by vehicle traffic.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	1.42	Rating **	М	Issue No.		22 (cont)	
LM End	1.42	Issue Type +	Ма	Location * LS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		37.8216	97°	37.821697°	
пеш				-121.3383	97°	-121.338397°	
DWR ID DWR_RD0544_02_s _ 2012_22							
		Comn	nent Cod	de			
S3 : Repai access wh		slope damag le.	jed by ve	ehicle traffic	and	d prevent	
		Inspecto	or Comm	nent			
Damage caused by vehicle traffic.							



Looking northwest at slope damage caused bey vehicle traffic (Fall 2014).

LM Start	1.44	Rating **	U	Issue No.		66
LM End	1.46	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Vegetatio	n		37.8219	07°	37.822098 °
пеш				-121.338725 °		-121.338985 °
DWR ID	DWR_RD0	544_02_f _ 201	6_66			·
		Comn	nent Cod	de		
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Dense willows on waterward slope.						



Looking southeast at dense veg on waterward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	1.44	Rating **	М	Issue No.		28	
LM End	1.44	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Animal Co	ontrol		37.8219	54°	37.821954°	
пеш				-121.3387	15 °	-121.338715 °	
DWR ID	DWR ID DWR_RD0544_02_s _ 2012_28						
		Comn	nent Cod	de			
A1 : Exteri	minate rod	ents and back	fill and o	compact or	grou	t burrows.	
		Inspecto	or Comm	nent			

No Photos

LM Start	1.86	Rating **	U	Issue No.	38		
LM End	1.86	Issue Type +	Ма	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		37.8179	83°	37.817983°	
пеш				-121.3416	82 °	-121.341682°	
DWR ID	DWR_RD0	544_02_s _ 201	5_38			·	
		Comn	nent Cod	de			
E1: Note:	and monito	or erosion site					
Inspector Comment							
Erosion/Caving on waterward shoulder and slope 18" x 6" x 15'.							

LM Start	1.86	Rating **	U	Issue No.	38 (cont)
LM End	1.86	Issue Type +	Ma	Location *	WS

Photo 1 of 2: FA_2016_RD0544_109_38_20160929_00038.jpg



Looking southeast at erosion/caving on waterward slope.

Photo 2 of 2: FA_2016_RD0544_109_38_20160929_00039.jpg



Looking east at erosion/caving on waterward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	2.01	Rating **	A/W	Issue No.		44	
LIVI Start	2.01	rtating	~/ V V	13300 140.		44	
LM End	2.01	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		37.8187	'33 °	37.818733	
пеш				-121.3433	40°	-121.343340	
DWR ID	DWR_RD0	544_02_s _ 201	2_44				
		Comn	nent Cod	de			
T1 : Trim t	rees to at l	east five feet	above g	round level	•		
	Inspector Comment						

No Photos

LM Start	2.02 Rating ** A/W			Issue No.		57	
LM End	2.02 Issue Type + Ma			Location *		LS	
Category	evee	GPS La	atitud	e/Longitude			
Category	ategory			Start		End	
Item	Encroachments			37.818853°		37.818853°	
пеш				-121.3434	73°	-121.343473°	
DWR ID	DWR_RD0	544_02_s _ 201	5_57				
	Comment Code						
PR : Pruni							

Inspector Comment

Large pruning pile at landward toe.

Photo 1 of 1 : FA_2016_RD0544_109_57_20160929_00049.jpg



Looking west at pruning pile at landward toe.(Spring 2015)

LM Start	2.02	Rating **	U	Issue No.	58		
LM End	2.09	Issue Type +	Ma	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Animal Control			37.8188	53°	37.819493	0
пеш				-121.3434	73 °	-121.344545	0
DWR ID	DWR_RD0	544_02_s _ 201	5_58			•	
		Comn	nent Coo	de			
A1 : Exterminate rodents and backfill and compact or grout burrows.							
	Inspector Comment						

Several rodent holes within reach on landward slope.

Photo 1 of 1: FA_2016_RD0544_109_58_20160929_00050.jpg

Looking at typical rodent holes on landward slope.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	2.02	Rating **	М	Issue No.		39		
LM End	2.16	Issue Type +	Ma	Location *		LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Vegetation				842°	37.820193°		
пеш			-121.3435	20°	-121.345525°			
DWR ID	DWR ID DWR_RD0544_02_s _ 2012_39							
		Comn	nent Cod	de				
V2 : Remo slopes.	ve the wild	growth other	than na	tive grasse	s fro	m the levee		
		Inspecto	or Comm	nent				

No Photos

LM Start	2.07	Rating **	М	Issue No.		13
LM End	2.09	Issue Type +	Ma	Location *		LS
Earthen Levee			GPS La	atitud	le/Longitude	
Category				Start		End
Item	Vegetatio	n		37.8193	37°	37.819460 °
item				-121.3442	75 °	-121.344492 °
DWR ID	DWR_RD0	544_02_s _ 201	2_13			
Comment Code						
V4 : Elderberries are blocking visibility and flood fight capability.						

Inspector Comment



Looking northwest at elderberries on landside slope and toe.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	2.12	Rating **	U	Issue No.		59
LM End	2.12	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Trim / Thin Trees				37.8197	'38	37.819738°
пеш				-121.344922 °		-121.344922 °
DWR ID	DWR_RD0	544_02_s _ 201	5_59			
		Comn	nent Cod	de		
T1 : Trim t	rees to at I	east five feet	above g	round level		
		Inspecto	or Comm	nent		
Untrimmed	trees on l	andward shou	ulder and	d slope.		



Looking southwest at untrimmed trees on landward slope and toe fall 2015.

LM Start	2.20	Rating **	М	Issue No.		60	
LM End	2.20	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thin Trees			37.8206	555°	37.820655 °	
пеш	item				82°	-121.345982°	
DWR ID	544_02_s _ 201						
		Comn	nent Cod	de			
T1: Trim t	rees to at I	east five feet	above g	round level			
	Inspector Comment						

No Photos

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	2.21	Rating **	М	Issue No.		50
LM End	2.21	Issue Type +	Ма	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Encroachments			37.8206	646°	37.820646 °
пеш				-121.346014 °		-121.346014°
DWR ID DWR_RD0544_02_f _ 2014_50						
		Comn	nent Cod	de		
GA : Garba	age					
		Inspecto	or Comm	nent		
Discarded intake pipe on waterward slope.						



Looking northwest at pipe on waterward slope.

LM Start	2.21	Rating **	М	Issue No.		32		
LM End	2.21	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS La	atitud	e/Longitude		
Calegory				Start		End		
Animal Control				37.8206	97°	37.820697	0	
пеш				-121.3460	50°	-121.346050	0	
DWR ID	DWR ID DWR_RD0544_02_s _ 2012_32							
0 101								

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

NΩ	Photos	

LM Start	2.24	Rating **	М	Issue No.		33	
LM End	2.35	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS La	atitud	e/Longitude	
Calegory				Start		End	
Animal Control			37.8210	96 °	37.821945	۰	
пеш		-121.3464	18°	-121.347897	0		
DWR ID	DWR ID DWR_RD0544_02_s _ 2012_33						
Commont Code							

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

Inspector Comment

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicabl	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side	M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR · Crown	II · I Inaccentable	AMM · Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	2.28	Rating **	U	Issue No.		61	
LM End	2.28	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Trim / Thi	n Trees		37.8214	73°	37.821473°	
пеш	-121.346860 ° -121.3468						
DWR ID	DWR ID DWR_RD0544_02_s _ 2015_61						
		Comn	nent Cod	de			
T1 : Trim t	rees to at I	east five feet	above g	round level.			
		Inspecto	or Comm	nent			
Untrimmed	tree on la	indward shoul	der.				



Looking west at untrimmed trees on landward slope fall 2015.

LM Start	2.29	Rating **	М	Issue No.		40
LM End	2.29	Issue Type +	Ma	Location *		LS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Vegetatio	n		37.8216	28°	37.821628°
item				-121.3469	72 °	-121.346972°
DWR ID	DWR_RD0	544_02_s _ 201	2_40			
Comment Code						
V2 : Remo	V2 : Remove the wild growth other than native grasses from the levee					

slopes.

Inspector Comment

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	2.31	Rating **	М	Issue No.		51	
LM End	2.31	Issue Type +	Ma	Location *	WS		
Catagory	Earthen L	evee		GPS Latitude/Longitude			
Category				Start		End	
Item	Encroach	Encroachments			′57°	37.821757°	
item		-12 ⁻				-121.347181 °	
DWR ID	DWR_RD0	544_02_s _ 201	14_51	'			
		Comn	nent Cod	de			
PI : Pipe							
	Inspector Comment						
Landowner repaired pump and replaced pipe and left pump shaft and pipe on waterward slope.							

Photo 1 of 1: FA_2016_RD0544_109_51_20160929_00045.jpg

Looking north at old pump shaft and pipe on waterward slope.

Photo 1 of 2: SJR2016 RD0544U02RM33.21 1.jpg

LM Start	2.31	Rating **	М	Issue No.		12
LM End	2.31	Issue Type +	Ma	Location *		WS
Category	Suppleme	ental		GPS La	atitud	e/Longitude
Calegory						End
Item	DWR Eros	sion Survey		37.8217	63°	37.821763°
пеш				-121.3472	75°	-121.347275°
DWR ID						

Comment Code

Inspector Comment

07/25/2016: No significant change observed. 06/25/2015: No significant change observed.

07/02/2014: No significant change observed.

08/20/2013: No significant change observed.

08/07/2012: The site was first reported in 2012 spring levee inspection report. The data were estimated as the site is underneath a irrigation pump station and inaccessible by boat or land survey. It's possible the pump station played a role in the erosion. [2016 Site ID:RD0544U02RM33.21]

Front view of the erosion site. View is partially blocked by the pump structure and vegetation at the site.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	2.31	Rating **	М	Issue No.		12 (cont)
LM End	2.31	Issue Type +	Ma	Location *		WS
Category	GPS Latitude/Longitude					
Calegory		Start		End		
Item	DWR Ero	sion Survey		37.8217	63°	37.821763
пеш					75 °	-121.347275
DWR ID						

Comment Code

Inspector Comment

07/25/2016: No significant change observed. 06/25/2015: No significant change observed. 07/02/2014: No significant change observed.

08/20/2013: No significant change observed.

08/07/2012: The site was first reported in 2012 spring levee inspection report. The data were estimated as the site is underneath a irrigation pump station and inaccessible by boat or land survey. It's possible the pump station played a role in the erosion. [2016 Site ID:RD0544U02RM33.21]



Close view of the site.

LM Start	2.32	Rating **	М	Issue No.	41		
LM End	2.41	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category	Category					End	
Item	Vegetatio	n		37.82184	40°	37.821433°	
пеш				-121.34742	28°	-121.348849 °	
DWR ID DWR_RD0544_02_s _ 2012_41							
	Comment Code						

V2: Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

No Photos

N/A: Not Applicable LS: Land Side WS: Water Side

A: Acceptable Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	2.44	Rating **	М	Issue No.		42
LM End	3.24	Issue Type +	Ma	Location *		WS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Calegory				Start		End
Item	Vegetatio	n		37.8210	37°	37.819200°
пеш			-121.3490	50°	-121.359943 °	
DWR ID	DWR_RD0	544_02_s _ 201	2_42			
		Comn	nent Coo	de		
V2 : Remo slopes.	ve the wild	d growth other	than na	tive grasse	s fro	m the levee
		Inspecto	or Comm	nent		

No Photos

LM Start	2.61	Rating **	U	Issue No.		9
LM End	2.61	Issue Type +	Ма	Location *	WS	
Catagory	Suppleme	ental		GPS La	tituc	le/Longitude
Calegory	Category		Start		End	
Item	DWR Ero	sion Survey		37.81886	i1°	37.818861 °
item				-121.35040	0°	-121.350400 °
DWR ID						
		Comp	ant Coo	lo.		

Comment Code

Inspector Comment

07/25/2016: No significant change observed.

06/25/2015: The site was discovered during the boat survey. Irrigation pipe leakage caused the soil to sink at the upper levee shoulder. The lower part of the levee is protected by riprap rocks. The irrigation pump was operating at the site. [2016 Site ID:RD0544U02RM33]

LM Start	2.61	Rating **	U	Issue No.	9 (cont)
LM End	2.61	Issue Type +	Ma	Location *	WS

Photo 1 of 2: SJR2016_RD0544U02RM33_1.jpg



Front view of the erosion site.

Photo 2 of 2: SJR2016_RD0544U02RM33_3.jpg



Close view of the erosion. Vegetation around the site is visible.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	2.61	Rating **	U	Issue No.		69		
LM End	2.61	Issue Type +	Ma	Location *	WS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Erosion / Bank Caving			37.8188	06°	37.818806°		
пеш			-121.3504	37°	-121.350437°			
DWR ID DWR_RD0544_02_f _ 2016_69								
	Comment Code							
E2 : Schedule repair of erosion site prior to the next inspection.								
		Inspecto	or Comm	nent				
Erosion gr	Erosion greater than 1' deep and greater than 3' wide.							

LM Start	2.61	Rating **	U	Issue No.	69 (cont)
LM End	2.61	Issue Type +	Ma	Location *	WS



Looking south at erosion on waterward shoulder and slope.

Photo 2 of 3: FA_2016_RD0544_109_69_20161107_00092.jpg



Looking north at erosion on waterward shoulder and slope.

Photo 3 of 3: FA_2016_RD0544_109_69_20161107_00094.jpg

LM Start	2.61	Rating **	U	Issue No.	69 (cont)
LM End	2.61	Issue Type +	Ma	Location *	WS



Looking south at waterward erosion.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	2.68	Rating **	М	Issue No.		7		
LM End	2.70	Issue Type +	Ma	Location *	WS			
Category	Suppleme	ental		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	DWR Ero	sion Survey		37.8179	05°	37.817905°		
пеш				-121.3511	02 °	-121.351102°		
DWR ID						·		
	Comment Code							

Inspector Comment

07/25/2016: No significant change observed. 06/25/2015: No significant change observed. 07/02/2014: No significant change observed. 10/11/2013: No significant change observed.

08/07/2012: Series of pocket erosion were discovered at the levee toe during the boat survey. The area is covered with vegetation and riprap, but the rip rap has been washed away. [2016 Site ID:RD0544U02RM32.91]

LM Start	2.68	Rating **	М	Issue No.	7 (cont)
LM End	2.70	Issue Type +	Ма	Location *	WS



Front view of the pocket erosion. Note the vegetation and riprap at the site.

Photo 2 of 2: SJR2016_RD0544U02RM32.91_3.jpg



Close view of the erosion.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	2.69	Rating **	М	Issue No.	52			
LM End	3.20	Issue Type +	Ma	Location *	CR			
Category	Earthen L	evee		GPS La	titud	e/Longitude		
Calegory				Start		End		
Item	Vegetation			37.8179	28°	37.818824°		
				-121.359523°				
DWR ID DWR_RD0544_02_f _ 2014_52								
		Comn	nent Cod	de				
/2 : Remo slopes.	ove the wild	d growth other	than na	tive grasse	s froi	m the levee		
		Inspecto	or Comm	nent				



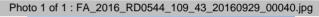
Looking south at vegetation on levee crown.

LM Start	2.71	Rating **	U	Issue No.		43	
LM End	3.05	Issue Type +	Ма	Location *		LS	
Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Vegetatio	n		37.8177	47°	37.817497°	
пеш			-121.3515	78°	-121.357490°		
DWR ID DWR_RD0544_02_s _ 2012_43						·	
0 10 1							

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment





Looking at dense vegetation on landward and waterward slope.

LM Start	2.80	Rating **	U	Issue No.	53		
LM End	2.80	Issue Type +	Ма	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Trim / Thi	n Trees		37.81718	7°	37.817187	0
пеш			-121.35296	4 °	-121.352964	0	
DWR ID DWR_RD0544_02_f _ 2014_53							
	Comment Code						

T2 : Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment



Looking southwest at untrimmed tree on landward slope fall 2015.

* Location

LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

** Rating

A : Acceptable N : Not Inspected/Rated M: Minimally Acceptable CR : Corrected U: Unacceptable A/W : Acceptable but Monitor & Maintain

** Rating

A : Not Applicable M: Not Inspected/Rated M: Minimally Acceptable D: C: Corrected Ob: Design & System Obsolescence En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	3.20	Rating **	М	Issue No.		30		
LM End	3.40	Issue Type +	Ma	Location *		WS		
Cotogony	Earthen L	evee		GPS Latitude/Longitude				
Category				Start		End		
Item	Animal Co	ontrol		37.8187	48 °	37.819717°		
пеш				-121.3594	40°	-121.362733 °		
DWR ID	DWR_RD0	544_02_s _ 201	3_30					
		Comn	nent Cod	de				
A1 : Exter	minate rod	ents and back	fill and o	compact or	grou	t burrows.		
		Inspecto	or Comm	nent				

No Photos

		D-4: **		Innua Na			
LM Start	3.22	Rating **	М	Issue No.	62		
LM End	3.22	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Category	Zategory					End	
Item	Trim / Thin Trees			37.8189	85°	37.818985°	
пеш				-121.3596	75°	-121.359675 °	
DWR ID	DWR_RD0	544_02_s _ 201	5_62				
		Comn	nent Cod	le			
T1 : Trim trees to at least five feet above ground level.							
	Inspector Comment						

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	3.29	Rating **	М	Issue No.		54	
LM End	3.29	Issue Type +	Ma	Location *		LS	
Cotogony	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		37.8196	35°	37.819635°	
пеш				-121.3606	19°	-121.360619°	
DWR ID	DWR_RD0	544_02_f _ 201	4_54				
		Comn	nent Coc	de			
V4 : Elderk	perries are	blocking visib	ility and	flood fight	сара	ability.	
	Inspector Comment						

No Photos

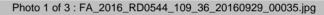
LM Start	3.48	3.48 Rating ** U				36	
LM End	3.51	Issue Type +	Ма	Location *	* LS		
Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Itom	Vegetatio	n		37.8195	76°	37.819530°	
-121.364056 °						-121.364653°	
DWR ID DWR_RD0544_02_s _ 2012_36							
	Comment Code						

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Cactus on landside slope.

LM Start	3.48	Rating **	U	Issue No.	36 (cont)
LM End	3.51	Issue Type +	Ma	Location *	LS





Looking northwest at cactus on landward slope and toe fall 2015

Photo 2 of 3: FA_2016_RD0544_109_36_20160929_00036.jpg



Looking north at cactus on landside slope and toe spring 2015

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

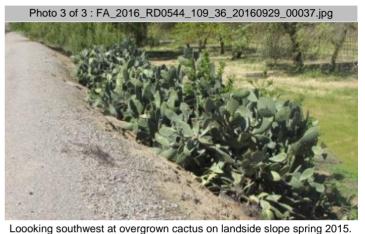
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	3.48	Rating **	U	Issue No.	36 (cont)		
LM End	3.51	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee	GPS Latitude/Longitude				
Category				Start		End	
Item	Vegetatio	n		37.819576°		37.819530 °	
пеш				-121.3640	56°	-121.364653 °	
DWR ID DWR_RD0544_02_s _ 2012_36							
Comment Code							
1/2 · Domo	wa tha wile	l arouth other	than no	tivo arocco	o fro	m the levee	

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Cactus on landside slope.



oboking southwest at overgrown cactus on landside slope spring 2015

LM Start	3.49	Rating **	U	Issue No.	No. 55		
LM End	3.52	Issue Type +	Ma	Location *	LS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory			Start		End		
Item	Trim / Thi	Trim / Thin Trees		37.8195	63°	37.819542°	
пеш				-121.3643	07°	-121.364908°	
DWR ID	DWR ID DWR_RD0544_02_f _ 2014_55						
Comment Code							

T2: Thin trees to allow visibility of the ground and room to flood fight.

Inspector Comment



Looking southwest at untrimmed trees on landward slope and toe fall

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	3.55	Rating **	М	Issue No.		47	
LM End	4.14	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Vegetatio	n		37.8194	43°	37.822442 °	
пеш				-121.365305° -121.3746			
DWR ID	DWR_RD0	544_02_s _ 201	2_47				
		Comn	nent Cod	de			
V2 : Remo	ove the wild	d growth other	than na	tive grasse	s fro	m the levee	
		Inspecto	or Comm	nent			

No Photos

LM Start	3.57	Rating **	М	Issue No.		19	
LM End	3.80	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee		GPS La	titud	e/Longitude	
Category				Start		End	
Item	Trim / Thi	n Trees		37.81942	28°	37.821334	0
пеш			-		l2°	-121.369017	0
DWR ID	DWR_RD0	544_02_f _ 201	3_19			,	
		Cama	ant Car	ام			

Comment Code

T1: Trim trees to at least five feet above ground level.

Inspector Comment

No Photos

LM Start	3.58	Rating **	U	Issue No.		67		
LM End	3.58	Issue Type +	Ма	Location *		LS		
Category Earthen Levee			GPS La	titud	le/Longitude			
Calegory	gory			Start		End		
Item	Animal Co	Animal Control			19°	37.819419°		
item				37.819419 ° -121.365854 ° -		-121.365854°		
DWR ID	DWR_RD0	544_02_f _ 201	5_67					
Comment Code								
A1 : Exterminate rodents and backfill and compact or grout burrows.								

Inspector Comment

Large rodent holes on landward slope.



Looking northeast at typical view of rodent holes on landward slope.

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	3.58	Rating **	U	Issue No.		67 (cont)	
LM End	3.58	Issue Type +	Ma	Location *		LS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Outogory				Start		End	
Item	Animal Co	ontrol		37.8194	19°	37.819419°	
пеш				-121.365854 ° -121.36585			
DWR ID DWR_RD0544_02_f _ 2015_67							
		Comn	nent Cod	le			
A1 : Exterr	minate rod	ents and back	fill and o	compact or	grou	t burrows.	
		Inspecto	or Comm	ent			
Large rode	ent holes o	n landward slo	ope.				



Looking north at typical view of rodent holes on landward slope.

LM Start	3.58	Rating **	М	Issue No.		48	
LM End	4.14	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Vegetatio	n		37.8194	08°	37.822442	0
item				-121.3660	05°	-121.374607	0
DWR ID	DWR_RD0	544_02_s _ 201	2_48				
		0		1.			

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

NΩ	Ph	otos

LM Start	3.73	Rating **	A/W	Issue No.		63
LM End	3.73	Issue Type +	Ma	Location *		LS
Category	Earthen L	evee		GPS La	atitud	e/Longitude
Category				Start		End
Item	Vegetatio	n		37.8204	92°	37.820492°
пеш				-121.3680	93 °	-121.368093 °
DWR ID	DWR_RD0	544_02_s _ 201	5_63			

Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Control willows on waterward slope.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2016

Reclamation District No. 0544 Upper Roberts Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Old River	Right	4.15	11/02/2016 11/02/2016	Richard Willoughby

LM Start	4.05	Rating **	U	Issue No.		64	
LM End	4.05	Issue Type +	Ma	Location *	LS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Vegetation			37.821620 °		37.821620°	
				-121.373283 °		-121.373283 °	
DWR ID	DWR_RD0544_02_s _ 2015_64						
Comment Code							
V4 : Elderberries are blocking visibility and flood fight capability.							
Inspector Comment							



Looking southwest at dense elderberry bush on landward slope and toe. (Spirng 2015)

LM Start	4.10	Rating **	U	Issue No.	65			
LM End	4.16	Issue Type +	Ma	Location *	LS			
Category	Earthen Levee			GPS Latitude/Longitude				
				Start		End		
Item	Vegetation			37.821870°		37.822623 °		
			-121.3741	25°	-121.374695 °			
DWR ID	DWR_RD0544_02_s _ 2015_65							
Comment Code								
V2 : Remove the wild growth other than native grasses from the levee slopes.								

Inspector Comment



Looking southwest at dense vegetation on landward slope and toe. (Spring 2015)